

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number  
WO 2005/070759 A1

(51) International Patent Classification<sup>7</sup>: B63H 9/06, E04H 15/58, B29C 70/82, B32B 3/08, 7/04, 31/00

(21) International Application Number: PCT/IT2005/000025

(22) International Filing Date: 18 January 2005 (18.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: RA2004A000004 21 January 2004 (21.01.2004) IT

(71) Applicants and

(72) Inventors: MOLTA, PierCarlo [IT/IT]; Via Gramsci, 1, I-59100 Prato (IT). GRASSI, Enrico [IT/IT]; Via Tiziano, 6, I-59013 Montemurlo (IT).

(74) Agent: RONCUZZI, Davide; Roncuzzi & Associati S.r.l., Via Antica Zecca, 6, I-48100 Ravenna (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

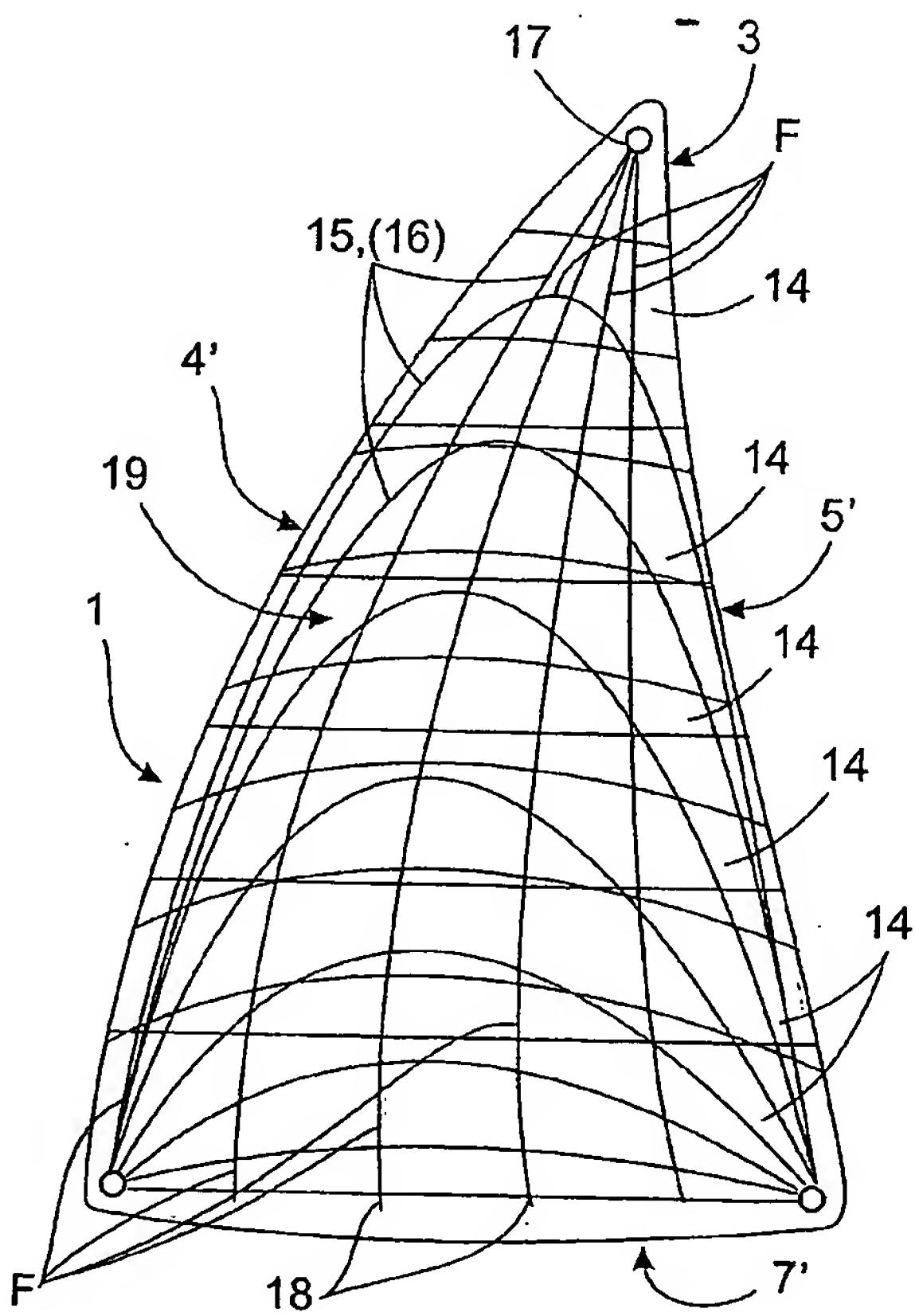
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: MEMBRANE BODY AND RELATIVE PRODUCTION METHOD



WO 2005/070759 A1



(57) Abstract: Membrane body (1) comprising at least one pair of panels (10, 11) connected together in an adhesive manner and for each pair of said panels (10, 11), at least one flexible sheath (15) arranged stably according to a set pattern to resist membrane stress acting on the panels (10, 11); each sheath (15) housing a respective tie rod (16), connected to the panels (10, 11) in an end position in a set manner in such a way as to be suitable for resisting normal stress to free the panels (10, 11) from the respective membrane stress, thereby maintaining the group of the panels (10, 11) flexible and maintaining the corresponding production

**Declaration under Rule 4.17:**

- *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*